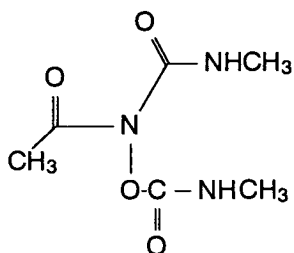


CARACEMIDE

NSC - 253272



Chemical Name:

N-Acetyl-*N*-(methylcarbamoyloxy)-*N'*-methylurea

CAS Registry Number: 81424-67-1

Molecular Formula: C₆H₁₁N₃O₄

M.W.: 189.2

Approximate Solubility:

(mg/mL)

H ₂ O	> 76
Methanol	> 100
Chloroform	> 100

Stability:

Bulk:

The half life at 45 °C is estimated at 8 weeks and the time for 10% decomposition is 2 weeks. The compound is stable at room temperature for 4 weeks (HPLC).

Solution:

A 50 mg/mL solution in water at room temperature showed 5% decomposition after 4 hours and 17% decomposition after 24 hours (HPLC).

Ultraviolet Absorption:

(0.1 N HCl)

The spectrum shows end absorption only.

High Performance Liquid Chromatography:

Column:	μBondapak C ₁₈ , 300 x 3.9 mm i.d.
Mobile Phase:	20% CH ₃ OH in H ₂ O
Flow Rate:	1.0 mL/min
Detection:	UV at 210 nm
Sample Preparation:	0.5 mg/mL in internal standard solution
Internal Standard:	0.05 mg aniline in 100 mL methanol
Retention Volume:	6.0 mL (NSC-253272) 10.0 mL (I.S.)

Toxicity Data:

Mouse(po): LD₅₀: 388 mg/kg

NCI Screening Program Data Summary

Mouse(ip): LD₅₀: 167 mg/kg

NCI Screening Program Data Summary

Mouse(iv): LD₅₀: 238 mg/kg

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